SCT-VFVM-U8-R

Rev. 1.0

1.85 mm (F) to 1.85 mm (M) Coaxial Adapter, Right Angle

Description:

Model SCT-VFVM-U8-R is a 1.85 mm female to 1.85 mm male coaxial adapter with a right angle (90°) that covers the frequency range of DC to 65 GHz. This coaxial adapter offers efficient transitioning between the coaxial connectors with a high return loss and typical insertion loss of 0.5 dB. The impedance of the adapter is 50 ohms. Other configurations are available under different model numbers.

Features:

- Instrumentation Grade
- High Return Loss
- Low Insertion Loss

Applications:

- Test Lab
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	DC		65 GHz
Insertion Loss		0.5 dB	
Return Loss		14 dB	
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Connector 1 Type	1.85 mm Female
Connector 2 Type	1.85 mm Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEEK
Adapter Body Style	Right Angle
Weight	0.2 Oz
Outline	CT-VFVM-R-SR1

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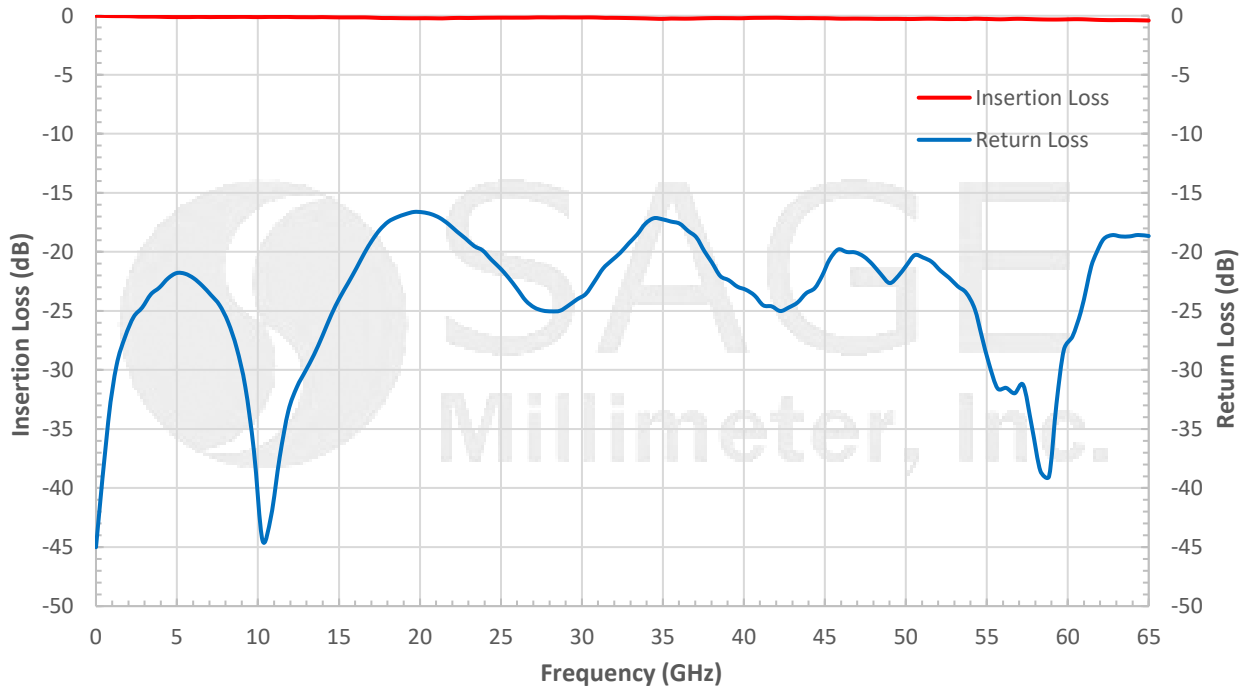
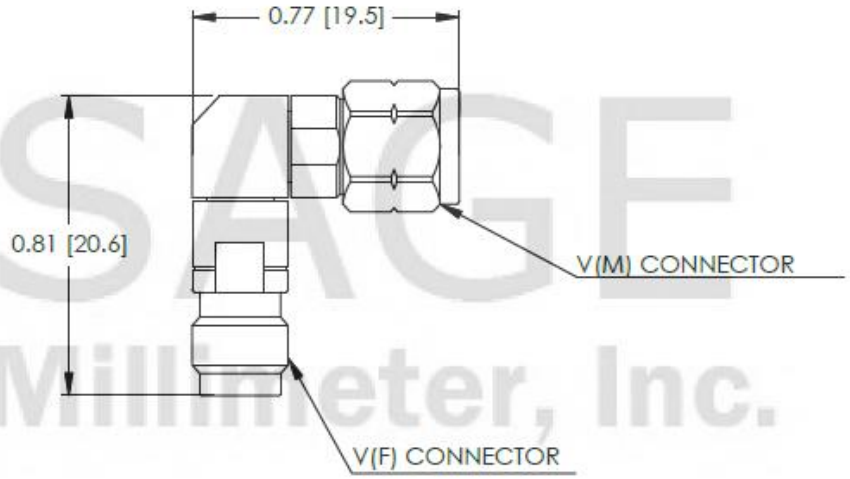
Typical Performance vs. Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit.
- All testing was performed under +25˚C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Proper torque, 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-S1, is highly recommended.**

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